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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/667,144	09/19/2003	Michael T. Carley	16497.1.1.5	7207
57360 WORKMAN N	7590 06/22/201 YDEGGER	EXAMINER		
1000 EAGLE C	SATE TOWER,		BACHMAN, LINDSEY MICHELE	
60 EAST SOUTH TEMPLE SALT LAKE CITY, UT 84111			ART UNIT	PAPER NUMBER
			3734	
			MAIL DATE	DELIVERY MODE
			06/22/2010	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)			
	10/667,144	CARLEY ET AL.			
Office Action Summary	Examiner	Art Unit			
	LINDSEY BACHMAN	3734			
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address			
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).					
Status					
Responsive to communication(s) filed on 23 M This action is FINAL . 2b) ☐ This Since this application is in condition for allowar closed in accordance with the practice under E	action is non-final. nce except for formal matters, pro				
Disposition of Claims					
4) ☐ Claim(s) 17,36-44,50 and 52-59 is/are pending 4a) Of the above claim(s) is/are withdray 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 17,36-44,50 and 52-59 is/are rejected 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/o	vn from consideration.				
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9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) accomplicated any accomplicated any not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Examine	epted or b) objected to by the Eddrawing(s) be held in abeyance. See ion is required if the drawing(s) is obj	e 37 CFR 1.85(a). ected to. See 37 CFR 1.121(d).			
Priority under 35 U.S.C. § 119					
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 					
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08)	4)	ite			
Paper No(s)/Mail Date <u>3-30-10</u> . 6) Other:					

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DETAILED ACTION

This Office Action is in response to Applicant's amendment filed 23 March 2010.

Response to Arguments

Applicant argues that the device taught by Zadno'893 is not resiliently deformable or configured to return to the planar configuration because Zadno'893 teaches heat treating the device in order to provide the memorized shape and to set the transition temperature.

Applicant also argues that Zadno'893 does not explicitly teach placing the cylindrical structure back into the flat configuration.

Regarding Applicant's arguments that Zadno'893 teaches away from element 600 being resiliently deformable, Examine disagrees. Although Zadno'893 does not explicitly teach everting the cylindrical structure back into its flattened state, this is not teaching away since Zadno'893 does not explicitly teach that it is not desirable to turn the device flat. Further, Applicant's claim is not drawn to the use of the device: Although someone using Zadno'893's device might not be motivated to evert the device back to its flattened configuration that does not mean that it's not capable of being everted, especially since Zadno'893's device is made of the same material as Applicant's.

Examiner disagrees with Applicant's arguments and maintains the present rejection since the new limitation "with the body being configured to return towards the substantially planar configuration" does not add anything beyond the limitation of "resiliently deformable" previously recited.

Claim Rejections - 35 USC § 103

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The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Claim 17, 37, 39-44, 50, 52, 54-59 is rejected under 35 U.S.C. 103(a) as being unpatentable over Zadno-Azizi et al. (US Patent 5,907,893) (Zadno'893) in view of Chuter (US patent 6,942,691).

Claim 17, 40: Zadno'893 teaches a device (600; Figure 20) that has an annular shaped body defining a plane. The body is resiliently deformable from a substantially planar configuration that lies in a plane to a transverse configuration extending out of the plane (Figure 21). The device contains a plurality of looped elements (Figure 20) Each looped element contains a curved outer region connected to a curved inner region so that the outer region is out of phase with an adjacent inner region to form an endless sinusoidal pattern.

Zadno'893 does not teach a plurality of tines extending from the looped elements towards the central axis of the annular shaped body.

Chuter'691 teaches that it is old and well known to provide a similar device (Figure 3) for example with a plurality of tines (52, 58 in Figure 1) that are generally parallel with the central axis in the transverse configuration. The curved region (56) limits the penetration depth of the tines. The tines are used to limit migration when the device is implanted in the body (column 5, lines 55-58). It would have been obvious to one of ordinary skill in the art to provide the device of Zadno'893 with tines as taught by Chuter'691 in order to limit migration of the device when implanted in the body.

Claim 37, 39: The tines of Chuter'691 comprise primary tines (52, 58) and secondary tines (52, 58) which all have a length.

Claims 41, 42: Zadno'893 teaches that the device can be made of a single sheet of material of super elastic alloy (column 12, lines 32-38).

Claim 43, 44: The device of Zadno'893 is expandable and compressible due to its material properties.

Claim 50, 55: Zadno'893 teaches a device (600; Figure 20) that has an annular shaped body defining a plane. The body is resiliently deformable from a substantially planar configuration that lies in a plane to a transverse configuration extending out of the plane (Figure 21). The device contains a plurality of looped elements (Figure 20). Each looped element contains a curved outer region connected to a curved inner region so that the outer region is out of phase with an adjacent inner region to form an endless sinusoidal pattern. Regarding the limitation of a biased spring element, by virtue of the similar shape of the Zadno'893 device to Applicant's invention (specifically the embodiment of Figure 1a), the Zadno'893 device contains a biased spring element.

Zadno'893 does not teach a plurality of tines extending from the looped elements towards the central axis of the annular shaped body.

Chuter'691 teaches that it is old and well known to provide a similar device (Figure 3) for example with a plurality of tines (52, 58 in Figure 1) that are generally parallel with the central axis in the transverse configuration. The curved region (56) limits the penetration depth of the tines. The tines are used to limit migration when the device is implanted in the body (column 5, lines 55-58). It would have been obvious to one of ordinary skill in the art to provide the device of Zadno'893 with tines as taught by Chuter'691 in order to limit migration of the device when implanted in the body.

Claim 52, 54: The tines of Chuter'691 comprise primary tines (52, 58) and secondary tines (52,58) which all have a length.

Claim 56, 57: Zadno'893 teaches that the device can be made of a single sheet of material of super elastic alloy (column 12, lines 32-38).

Claims 58, 59: The device of Zadno'893 is expandable and compressible due to its material properties.

Claim 36 is rejected under 35 U.S.C. 103(a) as being unpatentable over Zadno'893 in view of Dwyer et al. (US Patent 5,843,167).

Claim 36: Zadno'893 teaches a device (600; Figure 20) that has an annular shaped body defining a plane. The body is resiliently deformable from a substantially planar configuration that lies in a plane to a transverse configuration extending out of the plane (Figure 21). The device contains a plurality of looped elements (Figure 20) Each looped element contains a curved outer region connected to a curved inner region so that the outer region is out of phase with an adjacent inner region to form an endless sinusoidal pattern.

Zadno'893 does not teach a plurality of arcuate tines extending from the looped elements towards the central axis of the annular shaped body.

Dwyer'167 teaches that it is old and well known to provide a similar device (Figure 1) with a plurality of arcuate tines (24) that are generally parallel to the longitudinal axis of the device in the transverse configuration in order to provide the advantage of preventing movement of the device along the vessel wall.

Claims 38 and 53 are rejected under 35 U.S.C. 103(a) as being unpatentable over Zadno'893 in view of Chuter'691, as applied to Claims 17 and 50, further in view of Sakura (US Patent 4,214,587).

Zadno'893 in view of Chuter'691 teach the invention substantially as claimed, but do not teach that the tines are different lengths.

Sakura'587 shows a similar device that contains tines of different lengths (12, 13) in order to have the different tines each serve a different purpose (column 3, line 66 to column 4, line 7). It would be obvious to one of ordinary skill in the art at the time the invention was made to modify the device of Zadno'893 in view of Chuter'691 with the teachings of Sakura'587 in order to provide the same advantage.

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to LINDSEY BACHMAN whose telephone number is (571)272-

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6208. The examiner can normally be reached on Monday to Thursday 7:30 am to 5 pm,

and alternating Fridays.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Todd Manahan can be reached on 571-272-4713. The fax phone number for

the organization where this application or proceeding is assigned is 571-273-8300.

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/L. B./

Examiner, Art Unit 3734

/Anhtuan T. Nguyen/

Supervisory Patent Examiner, Art Unit 3731

6/20/10